

## CLAIMS

I claim:

1           1.    An in-wall dryer vent for venting to another floor,  
2 comprising a tubular body having:

3           an upper portion including:

4           a planar front wall, planar side walls, an arcuate rear  
5 wall, a top end, and a bottom end, the front wall, rear wall and  
6 side walls defining a rectangular conduit at the bottom end, the  
7 rear wall curving forward and joining the front wall at the top  
8 end, the upper portion having a width extending between the side  
9 walls and a depth extending from the front wall to the back  
10 wall, the front wall having a circular opening defined therein;

11           a lower portion having a rectangular inlet joined to the  
12 bottom end of the upper portion and having a rectangular outlet  
13 end, the outlet end having a greater perimeter than the inlet;

14           an annular flange projecting from the circular opening  
15 defined in the front wall of the upper portion, the annular  
16 flange being adapted for attachment to a clothes dryer outlet;  
17 and

18           an outlet tube extending from the outlet end of the lower  
19 portion;

20        wherein said upper portion has a width and depth dimension  
21 and configured for disposing the upper portion between adjacent  
22 studs of a wall, the lower portion being adapted for expanding  
23 cross-sectional area of the tubular body on a side of a floor  
24 partition opposite the upper portion.

1        2.    The in-wall dryer vent according to claim 1, further  
2 comprising:

3        a mounting flange extending from the top end of said upper  
4 portion, the mounting flange being L-shaped and having a first  
5 wall extending from said upper portion and a second wall normal  
6 to the first wall and extending toward the back of the tubular  
7 body, the second wall being adapted for attachment to a cross  
8 beam extending between the adjacent studs.

1        3.    The in-wall dryer vent according to claim 1, further  
2 comprising:

3        at least one L-shaped mounting flange extending outward  
4 from said front wall, said mounting flange being adapted for  
5 attachment to drywall.

1        4.    The in-wall dryer vent according to claim 1, wherein  
2        said upper portion has a width of less than sixteen inches and a  
3        depth of less than three and one-half inches, whereby said upper  
4        portion is dimensioned and configured for being placed between  
5        two-by-four studs spaced sixteen inches on center.

1        5.    The in-wall dryer vent according to claim 1, wherein  
2        said upper portion and said lower portion are constructed from  
3        metal.

1        6.    The in-wall dryer vent according to claim 1, wherein  
2        said upper portion and said lower portion are constructed from  
3        plastic.

1        7.    The in-wall dryer vent according to claim 1, wherein  
2        said lower portion has a width of less than sixteen inches, and  
3        has a depth of less than three and one-half inches at the inlet  
4        and at least four inches at the outlet end.

1        8.    The in-wall dryer vent according to claim 1, wherein  
2        said annular flange has a diameter of about four inches.

1        9.    The in-wall dryer vent according to claim 1, wherein  
2    said outlet tube has a diameter of about four inches, being  
3    adapted for attachment to dryer exhaust piping.

1        10.   The in-wall dryer vent according to claim 1, wherein  
2    the lower portion as a bottom wall normal to said outlet tube.

1        11.   The in-wall dryer vent according to claim 1, wherein  
2    the lower portion has a bottom wall sloping inward towards said  
3    outlet tube.